REMARKS/ARGUMENTS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the remarks and amendments herewith.

I.   STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 1-15 are pending in this application. Claims 1, 5, 6, 9, 10, and 15, which are independent, are hereby amended. It is submitted that these claims, as originally presented, were in full compliance with the requirements 35 U.S.C. §112. It is submitted that these claims, as originally presented, were in full compliance with the requirements 35 U.S.C. §112. No new matter has been introduced by this amendment. Support for this amendment is provided throughout the Specification. Changes to claims are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112. Rather, these changes are made simply for clarification and to round out the scope of protection to which the Applicant is entitled.

II.   REJECTIONS UNDER 35 U.S.C. §103(a)

Claims 1-15 were rejected under 35 U.S.C. §103(a) as allegedly unpatentable over U.S. Patent No. 6,226,743 to Naor in view of Cryptography and Newtwork Security, section 11.2 "X.509 Authentication Service" to Stallings (hereinafter, merely "Stallings").

Claim 1 recites *inter alia*:

> "...first detecting means for selectively detecting a change of said layer structure of said directory which is managed by said managing means as a function of a predetermined mask and obtaining first differential information constructed by a difference of the change of the layer structure of said directory;

second detecting means for detecting a change of said end
entity information of said leaf entry which is managed by
said managing means and obtaining second differential
information constructed by a difference of the change of
end entity information of said leaf entry; and

broadcasting means for broadcasting said first differential
information detected by said first detecting means and said
second differential information detected by said second
detecting means…" (emphasis added)

As understood by Applicants, U.S. Patent No. 6,226,743 to Naor (hereinafter,

merely "Naor") relates to a memory containing an authenticated search tree that serves for

authenticating membership or non-membership of items in a set. The authenticated search tree

As understood by Applicants, Stalling relates to authentication functions that

support application level authentication and digital signatures.

Applicants respectfully submit that nothing has been found in Naor or Stallings,

taken alone or in combination, that would teach or suggest the above identified features of claim

1.

Specifically, Applicants submit that Naor and Stallings fail to teach or suggest a

first detecting means for selectively detecting a change of said layer structure of said directory

which is managed by said managing means as a function of a predetermined mask and obtaining

first differential information constructed by a difference of the change of the layer structure of

said directory, a second detecting means for detecting a change of said end entity information of

said leaf entry which is managed by said managing means and obtaining second differential

information constructed by a difference of the change of end entity information of said leaf entry,

and a broadcasting means for broadcasting said first differential information detected by said

first detecting means and said second differential information detected by said second detecting means, as recited in claim 1.

Therefore, independent claim 1 is believed to be patentable.

For reasons similar to or somewhat similar to those described above with regard to claim 1, independent claims 5, 6, 9, 10, and 15 are believed to be patentable.

IV. DEPENDENT CLAIMS

The other claims in this application are each dependent from one of the independent claims discussed above and are therefore believed patentable for at least the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.
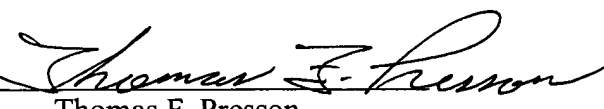
CONCLUSION

In the event the Examiner disagrees with any of statements appearing above with respect to the disclosure in the cited reference, or references, it is respectfully requested that the Examiner specifically indicate the portion, or portions, of the reference, or references, providing the basis for a contrary view.

In view of the foregoing amendments and remarks, it is believed that all of the claims in this application are patentable and Applicants respectfully request early passage to issue of the present application.

Please charge any additional fees that may be needed, and credit any

overpayment, to our Deposit Account No. 50-0320.

Respectfully submitted,
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